

**ABSTRACT**

With a method for the production of a precise prefabricated concrete part, especially in the form of a sleeper or a plate for a fixed track for rail-guided vehicles, the prefabricated concrete part is ground at the functionally relevant points to the predetermined size by means of a grooved roller. The device for this is a grinding machine with a grooved roller to grind the prefabricated concrete part at functionally relevant points to a predetermined size. The grooved roller is made of a wear resistant material, especially silicon carbide.